

Computing: Authoring a Website – Assessment 2: Practical Assignment

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# Instrument of Assessment 2 *Practical exercise.*

Outcome 2: Create a design specification for a website to meet a given brief.

Outcome 3: Produce a website using the design specification and appropriate software tools.

Outcome 4: Publish and test web pages.

## Website brief

Violet Robertson and her husband Jack run a small bed and breakfast business in a Scottish coastal town. They have asked you to produce a website for them.

The first page should give a general introduction to the local area and should include several pictures. This page should include either a video clip of a local scene or a voiceover introducing the area.

The second page should include a description of the property and the local facilities, with external links where relevant. There should be one principal image of the exterior of the property – this should change to a different view on a mouse rollover. There should be a link on this page to download a copy of the pricelist.

The next four pages should show the rooms available to let. There are four of these:

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Ensuite** |
| Glasgow room | Twin | Yes |
| Edinburgh room | Double | Yes |
| Aberdeen room | Twin | No |
| Dundee room | Double | No |

Each page should have some text describing the room and a picture of the interior. If a room has ensuite facilities, a mouse rollover should change the picture to show these. The option to print any of these pages should be available.

The final page should give details of the location of the property, including a map. The facility to print the map should be available and there should be an e-mail link to contact the owners.

**The website must have the following elements:**

* at least seven pages in size
* at least one image and one text paragraph on each page
* at least one multimedia element on the site, other than an image
* a consistent layout throughout the website, including the use of tables and layers to control appearance
* a consistent use of colour, text style and link style throughout the website
* a consistent scheme for navigating the site
* at least one link to an external document
* at least one e-mail link
* at least three image rollover effects (dynamic effects)
* at least two options for output to print.

You must also produce:

* a **requirements list** that matches the given brief, including a brief description of all text items, images and other multimedia elements and specifies the hardware and software required to produce the website
* an **outline design** that shows − (i) the site map for the overall website and (ii) the layout for each page using a recognised planning method such as storyboarding or web wireframing
* a **navigation scheme** showing the possible paths that a user may take through the website
* a **test plan** for testing navigation and hyperlinks on the website and for performance against three different target client systems (ie three different hardware/software combinations)
* a **web page template**, created using an appropriate software package, with the following elements:
  + defined editable areas
  + tables to control layout of editable and non-editable areas
  + layers to control layout of editable and non-editable areas
  + style sheet (either linked or embedded) specifying attributes for each defined font style, paragraph style and link style.
* a completed set of **web page files**, created using an appropriate software package, that meets the requirements of the brief and uses the web page template to ensure consistency of layout and appearance, and contains:
  + at least four meta-tags to identify the website and its content
  + all of the text, images, multimedia elements, navigation and hyperlinks required
  + the web pages files named according to an appropriate schema.

When the web pages have been completed you must transfer World Wide Web documents and relevant files to a specified remote server, test the published website using a test plan, maintain a log of test results and actions taken to resolve any errors. This must be done under supervised and controlled conditions. You will have access to notes and reference work as well as online help.

Finally, you must produce a **test plan report** showing:

* the outcomes of each of the tests in the plan
* the actions taken to resolve any errors.

# Assessment Checklist

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| --- | --- |
| **General** |  |
| **The website contains the following elements** | **Y/N** |
| The site is at least seven pages in size. |  |
| There is at least one image and one text paragraph on each page. |  |
| There is at least one multimedia element on the site, other than an image. |  |
| A consistent layout is used throughout the website, including the use of tables and layers to control appearance. |  |
| Use of colour, text style and link style are consistent throughout the website. |  |
| There is at least one link to an external document. |  |
| There is at least one e-mail link. |  |
| There are least three image rollover effects (dynamic effects). |  |
| There are least two options for output to print. |  |
|  |  |
| **Outcome 2** |  |
| **The requirements list meets the following criteria** | **Y/N** |
| Matches the given brief. |  |
| Includes a brief description of all text items, images and other multimedia elements. |  |
| Specifies the hardware and software required to produce the website. |  |
|  |  |
| **The outline design meets the following criteria** | **Y/N** |
| Shows the site map for the overall website. |  |
| Shows the layout for each page using a recognised planning method. |  |
|  |  |
| **The navigation scheme meets the following criteria** | **Y/N** |
| Shows the possible paths that a user may take through the website. |  |
|  |  |
| **The test plan meets the following criteria** | **Y/N** |
| Tests navigation and hyperlinks on the website. |  |
| Tests performance against three different target client systems (ie three different hardware/software combinations). |  |

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| **Outcome 3** |  |
| **The web page template meets the following criteria** | **Y/N** |
| Has defined editable areas. |  |
| Uses tables to control layout of editable and non-editable areas. |  |
| Uses layers to control layout of editable and non-editable areas. |  |
| Uses a style sheet (either linked or embedded) specifying attributes for each defined font style, paragraph style and link style. |  |
|  |  |
| **The completed set of web page files meets the following criteria** | **Y/N** |
| Created using an appropriate software package. |  |
| Meets the requirements of the brief. |  |
| Uses the web page template to ensure consistency of layout and appearance. |  |
| Contains at least four meta-tags to identify the website and its content. |  |
| Contains all of the text, images, multimedia elements, navigation and hyperlinks required. |  |
| The web pages files are named according to an appropriate schema. |  |
|  |  |
| **Outcome 4** |  |
| **The candidate has completed the following steps successfully** | **Y/N** |
| Transferred World Wide Web documents and relevant files to a specified remote server. |  |
| Tested the published website using a test plan. |  |
| Maintained a log of test results and actions taken to resolve any errors. |  |
| The uploaded web site operates correctly. |  |
|  |  |
| **The test plan report includes the following elements** | **Y/N** |
| The outcomes of each of the tests in the plan. |  |
| The actions taken to resolve any errors. |  |